**FIG. 1**

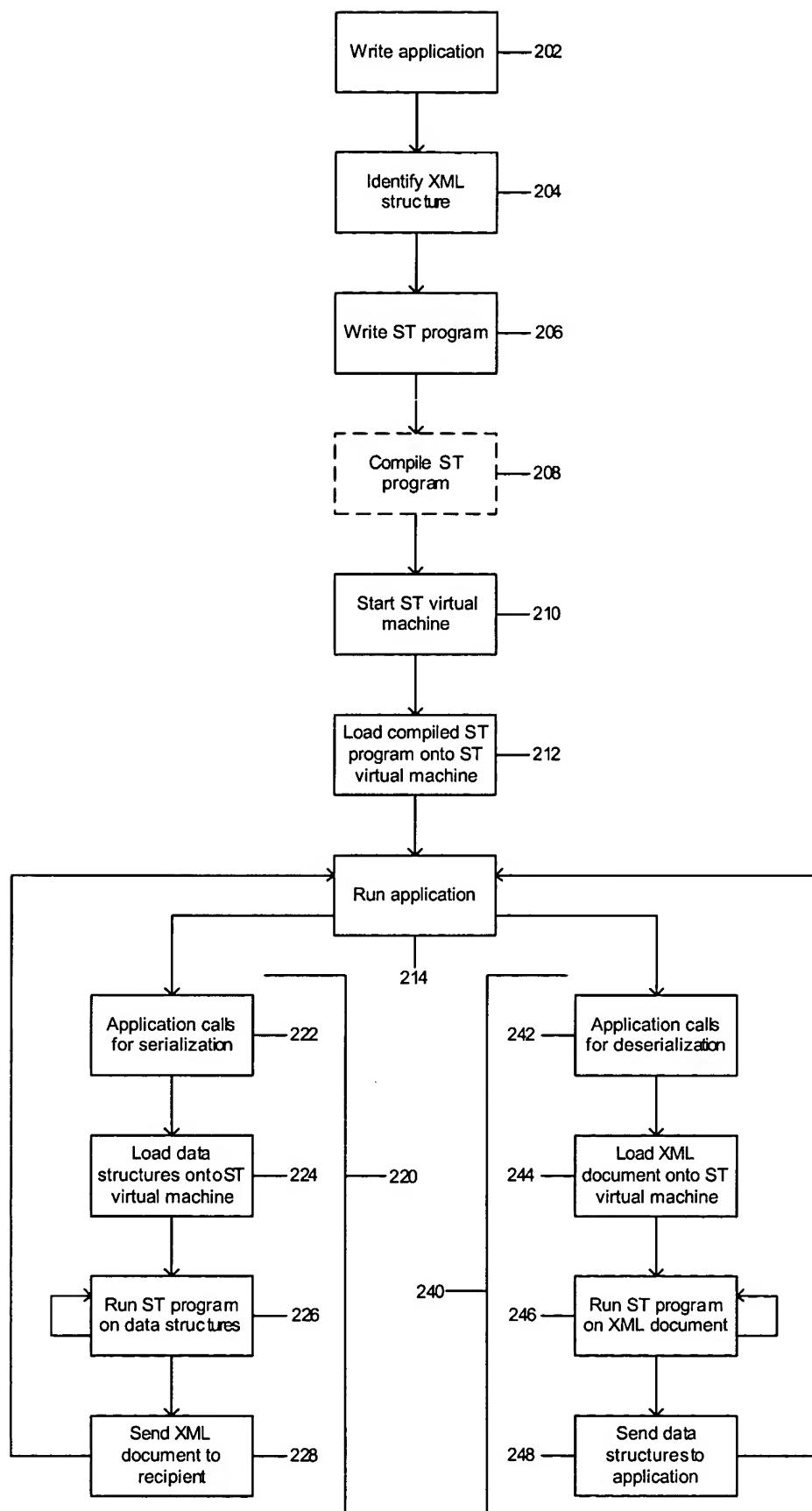


FIG. 2

```

<tt:transform version="0.1"
  xmlns:tt="http://www.sap.com/transformation-templates"
  xmlns:p1="UI"
  >
  <!-- value with special mappings -->
  <tt:value ref="R2.C2"
    map="s('~-','+', '-'), d('**','~') "/>
  <!-- copy of sub-tree -->
  <tt:copy ref="R2.C3"/>
  <!-- loop over table -->
  <tt:loop ref="R2.C4"><x5 tt:value-ref="IC1"/></tt:loop>
  <!-- skip elements -->
  <tt:skip name="p1:x6" count="*"/>
  <!-- call -->
  <tt:call transformation="ST1">
    <tt:with-root name="RR1" ref="R2.C5"/>
  </tt:call>
  <!-- basic conditional with assertion -->
  <tt:cond data="equal('R2.C7',42)">
    <x7 tt:value-ref="R2.C8"/>
  </tt:cond>
  <!-- switch -->
  <x8 tt:ref="R1">
    <tt:switch>
      <tt:cond data="initial(C5)">
        <tt:attribute name="nil">true</tt:attribute>
      </tt:cond>
      <tt:s-cond data="check(less(C5,100))">99</tt:s-cond>
      <tt:cond data="check(less(C5,100))">99</tt:s-cond>
      <tt:cond data="equal(C5,200) and
        (not (type-I(C4)) or greater-ref(C5,C4))">
        <tt:attribute name="C5"/>
      </tt:cond>
      <tt:d-cond data="equal(C5,100)">
        <tt:empty/>
      </tt:d-cond>
    </tt:switch>
  </x8>
  </tt:switch>
  <x0>
  <!-- element with literal attributes -->
  <tt:root name="R1"/>
  <tt:root name="R2"/>
  <tt:template>
    <!-- ref-node value -->
    <tt:value ref="R1.C1"/>
    <x1>
    <x1 a11="v11" a12="v12">
      400
    </x1>
    <!-- element with ref-node value -->
    <x2 tt:value-ref="R1.C2"/>
    <!-- element with literal value and lax matching -->
    <x3 tt:lx="y"><tt:text> text3</tt:text></x3>
    <!-- attribute with ref-node value -->
    <tt:attribute name="a41" value-ref=".R1.C3"/>
    <!-- attribute with complex content -->
    <tt:attribute name="p2:a42" ref=".R1.C4"/>
    <tt:text>text42</tt:text>
    <tt:value/>
    </tt:attribute>
    <!-- empty element -->
    <x4/>
    <!-- value with follow-text -->
    <tt:value/>
    <tt:text>text4</tt:text>
  </p1:x4>

```